

PROJECT DESCRIPTION  
GENERAL

THIS PROJECT INVOLVES REPLACING SIGNAL AND PEDESTRIAN HEADS, DETECTION, AND THE SIGNAL CABINET AT THE INTERSECTION OF US 1 (WASHINGTON BLVD) AT MD 198 WESTBOUND (TALBOT AVENUE).

INTERSECTION OPERATION

NO CHANGE TO THE SIGNAL OPERATION. REMAIN IN SYSTEM.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR DISTRICT #3 ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE:(410) 513-7358  
MR. RALEIGH MEDLEY, ASSISTANT DISTRICT ENGINEER- MAINTENANCE  
PHONE:(410) 513-7304  
MR. AUGIE REBISH, ASSISTANT DISTRICT ENGINEER - UTILITY  
PHONE:(410) 513-7304  
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION  
PHONE:(410) 787-7630

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

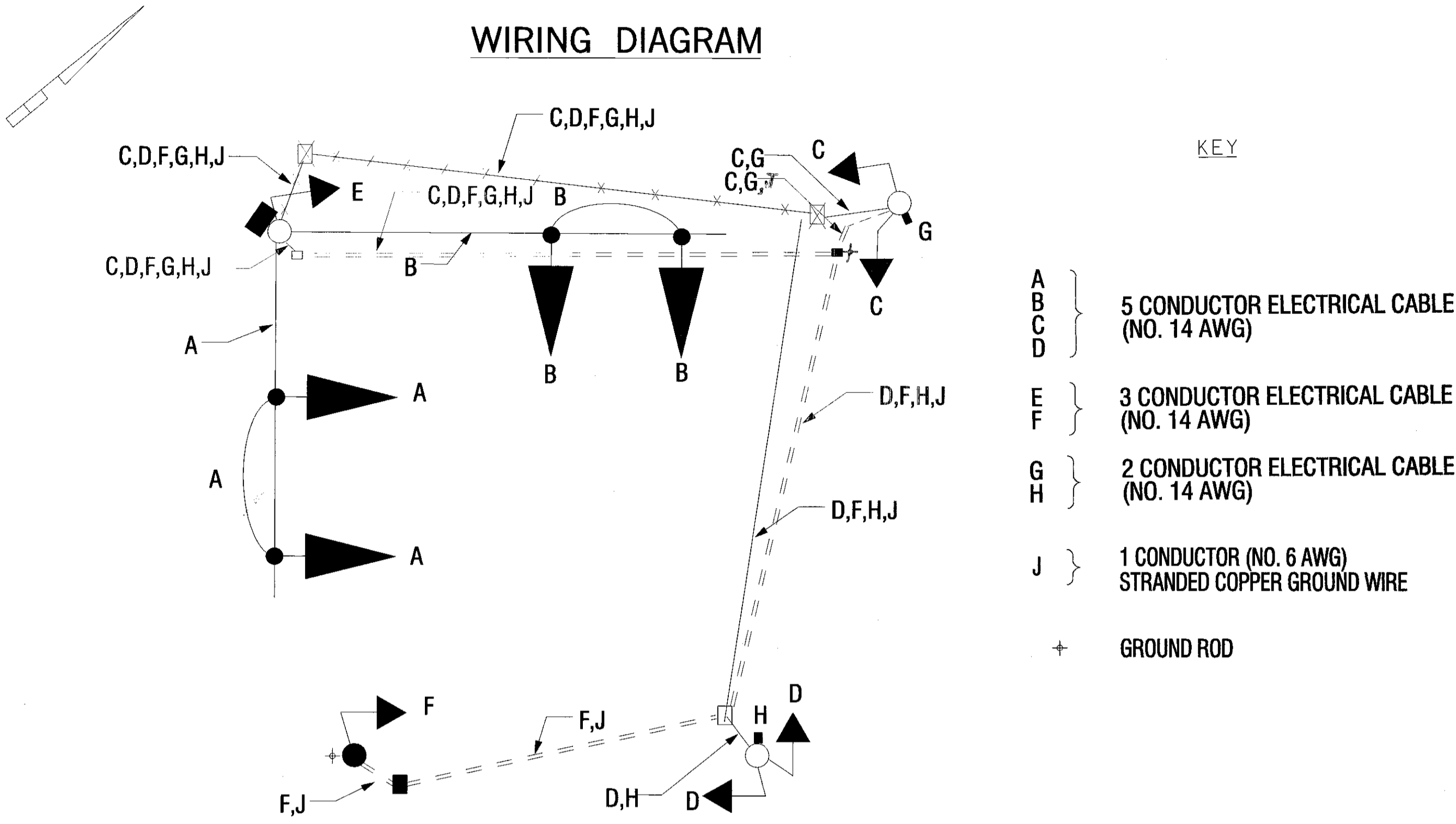
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
971016	EIGHT PHASE (FULLY ACTUATED CONTROLLER AND CABINET POLE MOUNT	EA	1
973023	SHEET ALUMINUM SIGNS: R3-1 (36" X 36")	SF	18
	R3-2 (36" X 36")	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	0.5
800000	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATIONS	CY	0.7
805135	3" SCHED. 80 RIGID PVC CONDUIT - TRENCHED	LF	10
805155	4" SCHED. 80 RIGID PVC CONDUIT - SLOTTED	LF	50
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1
818004	10' BREAKAWAY PEDESTAL POLE	EA	1
802501	STRANDED BARE COPPER GROUND WIRE NO. 6 AWG	LF	170
837001	GROUND ROD - 3 /4 INCH DIAMETER X 10 FOOT LENGTH	EA	1
860270	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	6
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	6
860278	12" PED. SIGNAL HEAD SECTION POLE MOUNT	EA	1
860282	12" PED. SIGNAL HEAD SECTION PEDESTAL POLE MOUNT	EA	5
861105	ELECTRICAL CABLE - 2-COND., NO. 14	LF	235
861106	ELECTRICAL CABLE - 3-COND., NO. 14	LF	215
861107	ELECTRICAL CABLE - 5-COND., NO. 14	LF	800
865001	PUSHBUTTON AND SIGN	EA	2
871202	INSTALL CONTROLLER AND CABINET - POLE MT.	EA	1
813015	INSTALL OVERHEAD SIGN	SF	18

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET.  
THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM



PHASE CHART

	1	2	3	4	5	6	7	8	9	10	
	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(R) (Y) (G)	(H) (H) (H)	(H) (H) (H)	(H) (H) (H)	(H) (H) (H)	(H) (H) (H)	(H) (H) (H)	
PHASE 2	G	G	R	R	WK	WK	WK	WK	DW	DW	←
PED CLEARANCE	G	G	R	R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	←
2 CHANGE	Y	Y	R	R	DW	DW	DW	DW	DW	DW	←
PHASE 4 AND 8	R	R	G	G	DW	DW	DW	DW	DW	DW	↑
PED CLEARANCE	R	R	G	G	DW	DW	DW	DW	DW	DW	↑
4 AND 8 CHANGE	R	R	Y	Y	DW	DW	DW	DW	DW	DW	↑
PHASE 4 ALT	R	R	G	G	DW	DW	DW	DW	WK	WK	↑
PED CLEARANCE	R	R	G	G	DW	DW	DW	DW	FL/DW	FL/DW	↑
ALT 4 CHANGE	R	R	Y	Y	DW	DW	DW	DW	DW	DW	↑
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	↑
FIRE HOUSE PRE-EMPTION											
PRE-EMPT PHASE 4	R	R	G	G	DW	DW	DW	DW	DW	DW	↑
PRE-EMPT CLEARANCE	R	R	Y	Y	DW	DW	DW	DW	DW	DW	↑
PHASE 2 NORMAL OPERATION	G	G	R	R	WK	WK	WK	WK	DW	DW	←



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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION PLAN

SB US 1 (WASHINGTON BOULEVARD)  
AT WB MD 198 (TALBOT AVENUE)

DRAWN BY: TW  
CHECKED BY: SR  
SCALE: NONE  
DATE: SEPTEMBER, 2002

F.A.P. NO. PG1115284  
S.H.A. NO. 1636  
COUNTY: PRINCE GEORGE'S  
LOG MILE: 16.000113.58

TS NO. 1636  
T.J.M.S. NO. E541

SHEET NO. 61 OF 78